

# DECLARATION FOR U.S. PATENT APPLICATION

Attorney's Docket No. ALTRP054/A574

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **FINITE IMPULSE RESPONSE (FIR) FILTER COMPILER** the specification of which,

(check one)

1. ☒ is attached hereto.
2. ☐ was filed on \_\_\_\_\_ as  
U.S. Application No. \_\_\_\_\_  
and was amended on \_\_\_\_\_.
3. ☐ was filed on \_\_\_\_\_ as  
International PCT Application No. \_\_\_\_\_  
and was amended on \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, CFR § 1.56.

## Prior Foreign Application(s)

I hereby claim foreign priority benefits under Title 35, United States code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

|                   |           |               | Priority Benefits Claimed? |
|-------------------|-----------|---------------|----------------------------|
|                   |           |               | Yes ___ No ___             |
| _____             | _____     | _____         |                            |
| (Application No.) | (Country) | (Filing Date) |                            |
| _____             | _____     | _____         | Yes ___ No ___             |
| (Application No.) | (Country) | (Filing Date) |                            |

## Provisional Application(s)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

|                   |               |
|-------------------|---------------|
| 60/184,226        | 02/23/00      |
| (Application No.) | (Filing Date) |
| 60/184,736        | 02/23/00      |
| (Application No.) | (Filing Date) |
| 60/184,396        | 02/23/00      |
| (Application No.) | (Filing Date) |

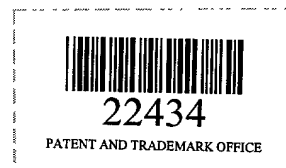
**Prior U.S. Application(s)**

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

|                            |                        |  |
|----------------------------|------------------------|--|
| _____<br>(Application No.) | _____<br>(Filing Date) | _____<br>(Status - patented, pending, abandoned) |
| _____<br>(Application No.) | _____<br>(Filing Date) | _____<br>(Status - patented, pending, abandoned) |

**Direct Correspondence To:**

**Customer Number: 022434**  
**BEYER WEAVER & THOMAS, LLP**  
P.O. Box 778  
Berkeley, CA 94704-0778

**Direct Telephone Calls To:**

**Michael J. Ferrazano at telephone number (650) 961-8300**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Typewritten Full Name of  
Sole or First Inventor: \_\_\_\_\_

Tony San

Citizenship: \_\_\_\_\_ USA

Inventor's signature: \_\_\_\_\_

Date of Signature: 1/26/2001

Residence: (City) \_\_\_\_\_

Sunnyvale

(State/Country) \_\_\_\_\_ CA/US

Post Office Address: \_\_\_\_\_

1035 Aster Avenue #2123, Sunnyvale, CA 94086

Second Inventor: \_\_\_\_\_

Philippe Molson

Citizenship: \_\_\_\_\_ France

Inventor's signature: \_\_\_\_\_

Date of Signature: 26 Jan 2001

Residence: (City) \_\_\_\_\_

San Jose

(State/Country) \_\_\_\_\_ CA/US

Post Office Address: \_\_\_\_\_

2616 Forest Hill Drive, San Jose, CA 95130-2207

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|   |                                     |
|---|-------------------------------------|
| In re application of: San et al.                      | Attorney Docket No.: ALTR1P054/A574 |
| Application No.: New                                  | Examiner: Not Yet Assigned          |
| Filed: Herewith                                       | Group Art Unit: Not known           |
| For: FINITE IMPULSE RESPONSE (FIR)<br>FILTER COMPILER |                                     |

**POWER OF ATTORNEY  
AND CERTIFICATION UNDER 37 CFR 3.73(b)**

Commissioner for Patents  
Washington, D. C. 20231

Sir:

Pursuant to 37 C.F.R. §§1.36 and 3.71, **ALTERA CORPORATION**, (“assignee”), a Delaware corporation having a place of business at 101 Innovation Drive, San Jose, California 95134, assignee of record of the entire interest of the above-identified application, hereby revokes all powers of attorney previously given and appoints the following attorneys and agents to prosecute and transact all business in the U.S. Patent and Trademark Office connected therewith: Steve D Beyer (Reg. No. 31,234); Jeffrey K. Weaver (Reg. No. 31,314); C. Douglass Thomas (Reg. No. 32,947); Jonathan O. Scott (Reg. No. 39,364); James E. Austin (Reg. No. 39,489); Rupak Nag (Reg. No. 37,493); Joseph M. Villeneuve (Reg. No. 37,460); Michael L. Louie (Reg. No. 36,988); Mary R. Olynick (Reg. No. 42,963); Dean E. Wolf (Reg. No. 37,260); Elise R. Heilbrunn (Reg. No. 42,649); Michael J. Ferrazano (Reg. No. 44,105), all of the law firm of BEYER, WEAVER & THOMAS, LLP, and Derek E. Minihane, Reg. No. 39,774, and James M. Wu, Reg. No. 45,241, of ALTERA CORPORATION, with full power of substitution and revocation, to prosecute this

application and to transact all business in the Patent and Trademark Office connected therewith.

Please send all correspondence for this application as follows:

**Michael J. Ferrazano**  
BEYER, WEAVER & THOMAS, LLP  
P.O. Box 778  
Berkeley, CA 94704


Please direct any calls to the same at (650)961-8300.

Pursuant to 37 C.F.R. § 3.73, assignee certifies that to the best of assignee's knowledge and belief it is the assignee of the entire right, title, and interest in and to the above-referenced patent application and represents that the undersigned is a representative authorized and empowered to sign on behalf of the assignee. Assignee has reviewed the assignment document that evidences the placement of title in the assignee, a true and correct copy of which is attached hereto.

Pursuant to 37 C.F.R. §3.71, the assignee hereby states that prosecution of the above-referenced patent application is to be conducted to the exclusion of the inventor(s).

**ALTERA CORPORATION**

Date 1/29/01

  
C. Wendell Bergère  
Vice President, General Counsel and Secretary

# ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

Whereas we the undersigned inventors have invented certain new and useful improvements as set for in the patent application entitled:


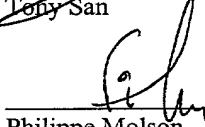
## FINITE IMPULSE RESPONSE (FIR) FILTER COMPILER

(Atty. Docket No.: ALTRP054/A574) for which we have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, We the undersigned inventors hereby:

- 1) Sell(s), assign(s) and transfer(s) to Altera Corporation, a Delaware corporation having a place of business at 101 Innovation Drive, San Jose, CA 95134, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventors, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the dates indicated beside our signatures.

- 1) Signature:   
Typed Name: Tony San Date: 1/26/2001
- 2) Signature:   
Typed Name: Philippe Molson Date: 26 Jan 2001